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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/553,932	03/08/2007	Joseph W. Twarog JR.	DNI-0024	6138
23413 CANTOR COL	7590 01/07/201 BURN LLP	1	EXAM	IINER
20 Church Stree	_	BERGIN, JAMES S		
22nd Floor Hartford, CT 06	5103		ART UNIT	PAPER NUMBER
			3641	
			NOTIFICATION DATE	DELIVERY MODE
			01/07/2011	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

usptopatentmail@cantorcolburn.com

	Application No.	Applicant(s)	
	10/553,932	TWAROG ET AL.	
Office Action Summary	Examiner	Art Unit	
	JAMES S. BERGIN	3641	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet wi	h the correspondence address	
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a rewill apply and will expire SIX (6) MON e, cause the application to become AB	CATION. sply be timely filed THS from the mailing date of this communication ANDONED (35 U.S.C. § 133).	
Status			
 Responsive to communication(s) filed on <u>21 C</u> This action is FINAL. Since this application is in condition for alloward closed in accordance with the practice under the condition of the practice under the condition is in condition. 	s action is non-final. nce except for formal matt	·	ı
Disposition of Claims			
4) ☑ Claim(s) <u>1-27</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☑ Claim(s) <u>1-27</u> are subject to restriction and/or	wn from consideration.		
Application Papers			
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) accomposed applicant may not request that any objection to the Replacement drawing sheet(s) including the correct should be sheeted to by the Examine 11). The oath or declaration is objected to by the Examine 20.	cepted or b) objected to drawing(s) be held in abeyan tion is required if the drawing	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d	i).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in A prity documents have been u (PCT Rule 17.2(a)).	oplication No received in this National Stage	
Attachment(s)			
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application 	

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Election/Restrictions

1. Applicant's election with traverse of Group I, claims 1-9 in the reply filed on 10/21/2010 is acknowledged. The traversal is on the ground(s) that "The Examiner contends that the inventions listed as Groups I - VI do not relate to a single inventive concept under PCT Rule 13.1 because the shared technical feature of each of the claims is a reactive polymer material used as a timing element. The Examiner further contends that this feature is not novel or unobvious over the prior art at least in view of the combination of Knowlton et al. (2002/0035945 A1) in view of Manzara (U.S. 5,681,904) and/or Arpin et al. (U.S. 5,945,627) and/or Shilliday et al. (U.S. 6,886,469 B2)" and that; "the reactive polymeric material timer element as defined in Applicants' claims 1-27 is a novel, unobvious and unifying single inventive concept". In view of these arguments, the examiner withdraws the 9/16/2010 restriction 9/16/2010 and replaces it with the following revised restriction requirement.

2. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-9, drawn to a timing element comprising a delay composition in a sheath, the delay composition comprising a reactive polymer material.

Group II, claim(s) 10-18, drawn to a method of making a timing element comprising a reactive polymeric material in a sleeve.

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Group III, claim(s) 19-21, drawn to an initiator comprising a timing element, the timing element comprising a reactive polymeric material.

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Group IV, claim(s) 22-24, drawn to a method of making a delay initiator comprising a reactive resin

Group V, claims(s) 25-27, drawn to a method of making a delay initiator comprising a reactive polymeric material.

Group VI, claim 27, drawn to a segment of reactive polymeric material.

- 3. The inventions listed as Groups I-VI do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: the shared special technical feature of an element comprising a reactive polymer material capable of being used as a timing element does not amount to a special technical feature that is novel or unobvious over the prior art at least as evidenced by Manzarea (US 5,681,904) and Shilliday et al. (US 6,886,469 B2). (Refer to the IPER submitted as part of the 2/24/2010 IDS). The element of independent claim 1 and the element produced by the method of independent claim 10, could inherently be used for many different purposes that require a reactive polymer capable of burning at a known rate. As such at least Shilliday et al. (US 6,886,469 B2) and Manzarea (US 5,681,904) disclose a gap composition that inherently has a known burn rate and that could inherently be used as a delay composition in any number of potential applications. Therefore unity of invention does not exist between the groups. To search and examine all the inventions would place an excessive burden on the examiner.
- 4. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement may be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To preserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

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5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES S. BERGIN whose telephone number is (571)272-6872. The examiner can normally be reached on Monday - Wednesday and Friday, 8.30 - 5.30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 571-272-6873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/James S. Bergin/ Primary Examiner, Art Unit 3641